

28. The system of claim 12, wherein the seismic energy is one of (i) a single frequency and (ii) a swept frequency.

29. The system of claim 12, wherein the seismic energy is a broadband signal.

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30. The method of claim 23, wherein the step of energizing the vibratory source to impart seismic energy through the anchor to the formation includes energizing the vibratory source causing a driver coupled to the vibratory source to impact the anchor, the anchor comprising a slip anvil, and imparting a broad band signal through the anchor to the formation.

31. The method of claim 23, wherein the seismic energy is one of (i) a single frequency and (ii) a swept frequency.

4 32. The method of claim 23, wherein the seismic energy is a broadband signal.

33. The system of claim 12, wherein the at least one detector is a geophone.

34. The method of claim 23, wherein the at least one detector is a geophone.

35. The system of claim 12, wherein the at least one anchor includes a plurality of fixed anchors located at a corresponding plurality of predetermined locations.